

Title (en)  
NEGATIVE IMPEDANCE CIRCUIT

Title (de)  
NEGATIVE IMPEDANZSCHALTUNG

Title (fr)  
CIRCUIT D'IMPÉDANCE NÉGATIVE

Publication  
**EP 3176953 B1 20190703 (FR)**

Application  
**EP 16198604 A 20161114**

Priority  
FR 1561698 A 20151202

Abstract (en)  
[origin: US2017163224A1] A negative impedance circuit including: a first and a second bipolar transistors having a common collector, a base of the first transistor being connected to an emitter of the second transistor; a third and a fourth bipolar transistors having a common collector, a base of the third transistor being connected with an emitter of the fourth transistor, and at least one first impedance formed of one or of a plurality of passive components coupling the common collector of the first and second transistors to the common collector of the third and fourth transistors, a base of the second transistor being coupled to the collector of the third and fourth transistors and a base of the fourth transistor being coupled to the collector of the first and second transistors.

IPC 8 full level  
**H03F 1/56** (2006.01); **H03F 3/191** (2006.01); **H03H 11/10** (2006.01); **H03H 11/48** (2006.01); **H04B 3/18** (2006.01)

CPC (source: EP US)  
**H03F 1/565** (2013.01 - EP US); **H03F 3/19** (2013.01 - US); **H03F 3/191** (2013.01 - EP US); **H03H 11/10** (2013.01 - US); **H03H 11/48** (2013.01 - EP US); **H04B 3/18** (2013.01 - EP US); **H03F 2200/165** (2013.01 - EP US); **H03F 2200/294** (2013.01 - EP US); **H03F 2200/369** (2013.01 - EP US); **H03F 2200/451** (2013.01 - EP US); **H03H 11/52** (2013.01 - EP)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 16198604 A 20161114**; FR 1561698 A 20151202; US 201615357863 A 20161121